

## PATENT COOPERATION TREATY

## PCT

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference P-7903 01	<b>FOR FURTHER ACTION</b>	see Form PCT/ISA/220 as well as, where applicable, item 5 below.
International application No. PCT/CH2004/000669	International filing date (day/month/year) 05/11/2004	(Earliest) Priority date (day/month/year) 28/11/2003
Applicant  TEXTILMA AG		

This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 3 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. **Basis of the report**

a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. ☐ With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. ☐ **Certain claims were found unsearchable** (See Box II).

3. ☐ **Unity of invention is lacking** (see Box III).

4. With regard to the **title**.

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the **drawings**,

a. The figure of the **drawings** to be published with the abstract is Figure No. 2

☒ as suggested by the applicant.

☐ as selected by this Authority, because the applicant failed to suggest a figure.

☐ as selected by this Authority, because this figure better characterizes the invention.

b. ☐ none of the figures is to be published with the abstract.

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# PATENT COOPERATION TREATY

From the  
INTERNATIONAL SEARCHING AUTHORITY

To:

see Form PCT/ISA/220

## PCT

### WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

(PCT Rule 43bis.1)

Date of mailing  
(day/month/year) see Form PCT/ISA/210 (sheet 2)

Applicant's or agent's file reference  
see Form PCT/ISA/220

**FOR FURTHER ACTION**  
See paragraph 2 below

International application No.  
PCT/CH2004/000669

International filing date (day/month/year)  
05.11.2004

Priority date (day/month/year)  
28.11.2003

International Patent Classification (IPC) or both national classification and IPC  
D03C5/00, D03C13/00, D04B27/26

Applicant  
TEXTILMA AG

1. This opinion contains indications relating to the following items:

- ☒ Box No. I Basis of the opinion
- ☐ Box No. II Priority
- ☐ Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- ☐ Box No. IV Lack of unity of invention
- ☒ Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- ☐ Box No. VI Certain documents cited
- ☐ Box No. VII Certain defects in the international application
- ☐ Box No. VIII Certain observations on the international application

#### 2. FURTHER ACTION

If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires earlier.

For further options, see Form PCT/ISA/220.

3. For further details, see notes to Form PCT/ISA/220.

#### Name and mailing address of the ISA



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**WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY**

International application No.

PCT/CH2004/000669

Box No. I. Basis of this opinion

80/581004

AP20 Rec'd PCT/PTO 26 MAY 2006

1. With regard to the **language**, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.  
☐ This opinion has been established on the basis of a translation from the original language into the following language , which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)).
2. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:
  - a. type of material  
☐ a sequence listing  
☐ table(s) related to the sequence listing
  - b. format of material  
☐ in written format  
☐ in computer readable form
  - c. time of filing/furnishing  
☐ contained in the international application as filed.  
☐ filed together with the international application in computer readable form.  
☐ furnished subsequently to this Authority for the purposes of search.
3. ☐ In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4. Additional comments:

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**Box No. V    Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement**

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Statement

Novelty	Yes:	Claims	1-19
	No:	Claims	
Inventive Step	Yes:	Claims	1-19
	No:	Claims	
Industrial Applicability	Yes:	Claims	1-19
	No:	Claims	

2. Citations and explanations

see additional sheet

**Regarding Point V**

**Substantiated finding as regards novelty, inventive activity and commercial applicability; documents and explanations in support of this finding.**

The present report refers to the following Document:

D1: WO 97/08373 A (TEXTILMA AG; SPEICH FRANSCISO (CH))  
6 March 1997 (1997-03-06)

- 1 D1 is conceded to be the nearest prior art with respect to the subject of Claim 1. It discloses the precharacterizing clause of Claim 1.

The subject of Claim 1 therefore differs from the known thread control device in that the valve has a first valve seat connected to the cylinder chamber and a second valve seat, between which a valve member provided with at least one throttle point is moveable, which valve member, in the basic position, is prestressed against the first valve seat by means of a spring, the throttle point being inactive and the valve member shutting off communication with a compressed gas source when the valve member is against the second valve seat.

2. The object to be achieved by means of the present invention can thus be seen in providing a thread control device having a simple control of the pneumatic drive of the thread control device.
3. The proposed solution, specifically, in particular, the design of the valve, is neither known from the present prior art nor suggested by this prior art.
4. The subject of Claim 1 is therefore novel, Article 33(2) PCT, and is based on inventive activity within the meaning of Article 33(3) PCT.
5. Claims 2-19 are dependent on Claim 1 and consequently likewise fulfil the requirements of the PCT as regards novelty and inventive activity.